# Information Systems Security LoB

## Federal Enterprise Architecture (FEA)

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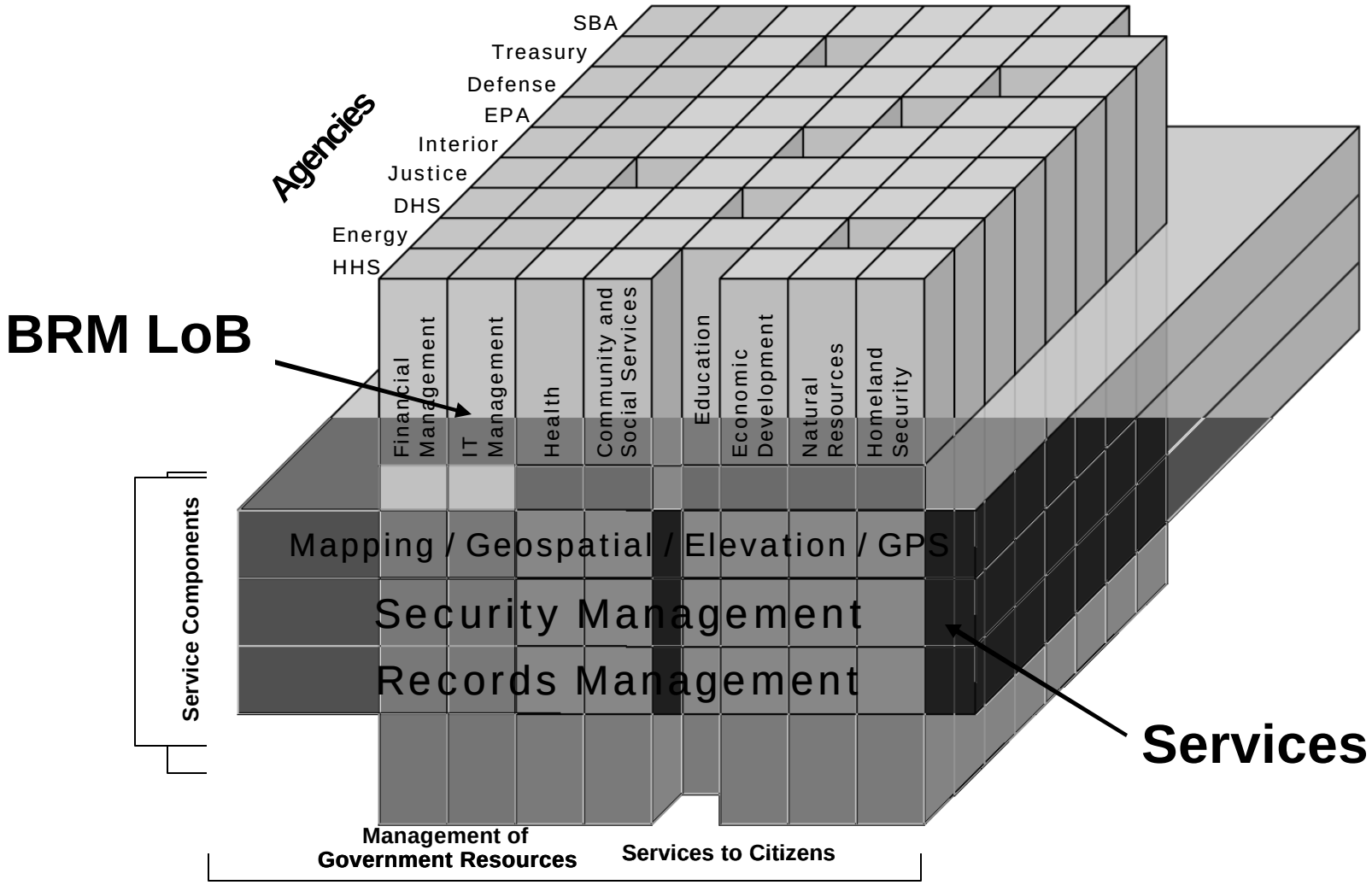
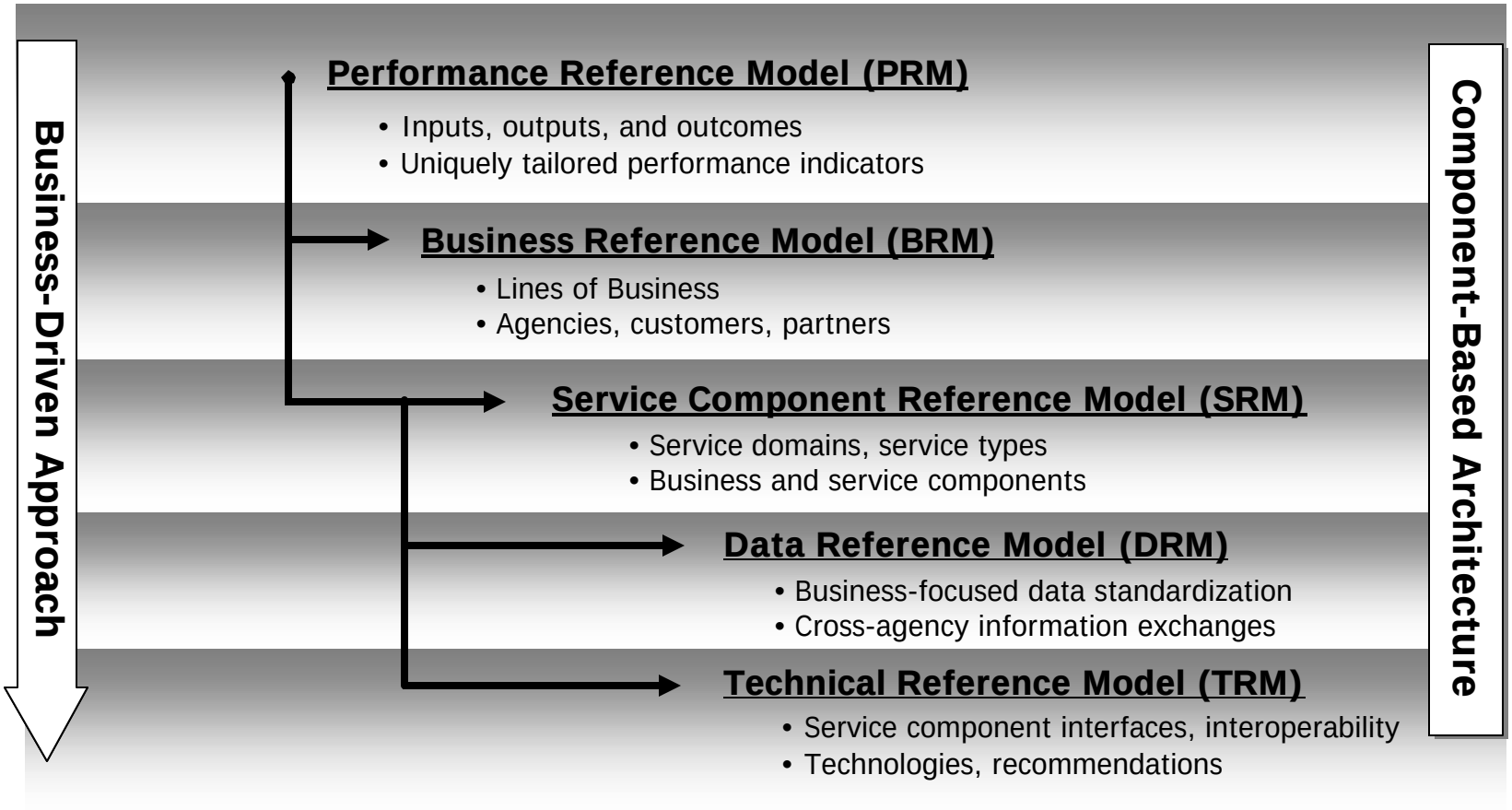
**April 7, 2005**

E-GOV

# LoBs and Services

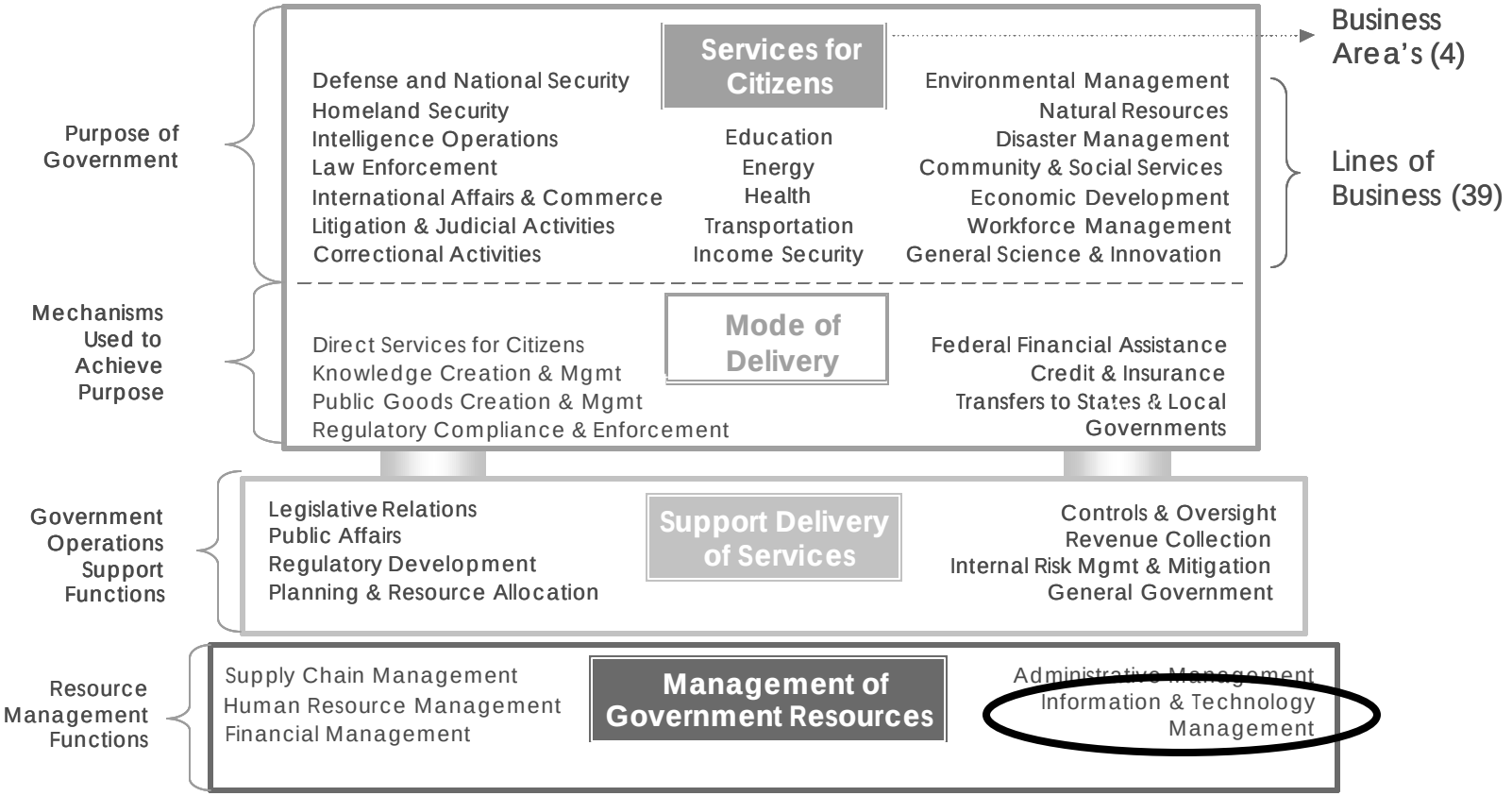


# FEA Background



# BRM: Line of Business

**The Business Reference Model (BRM)**



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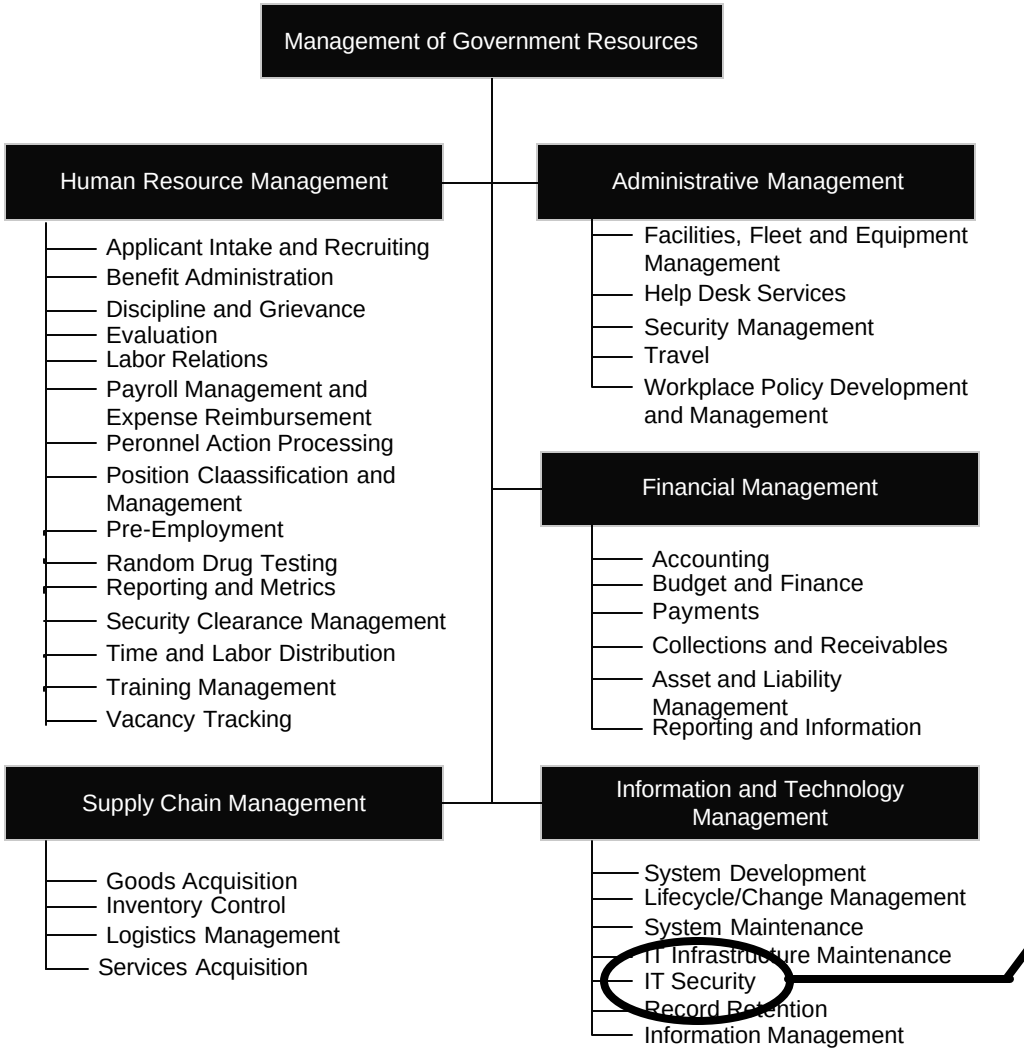
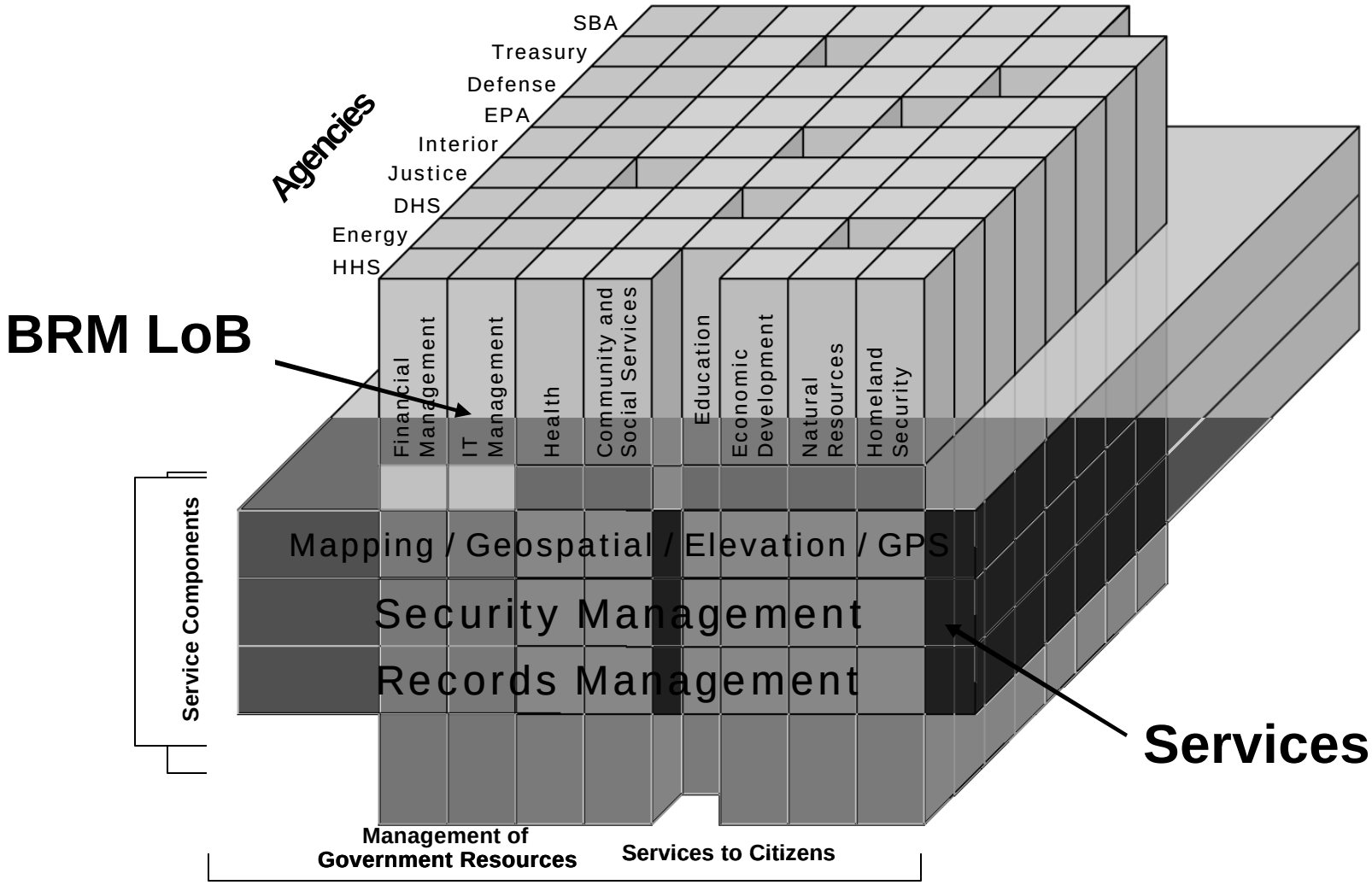
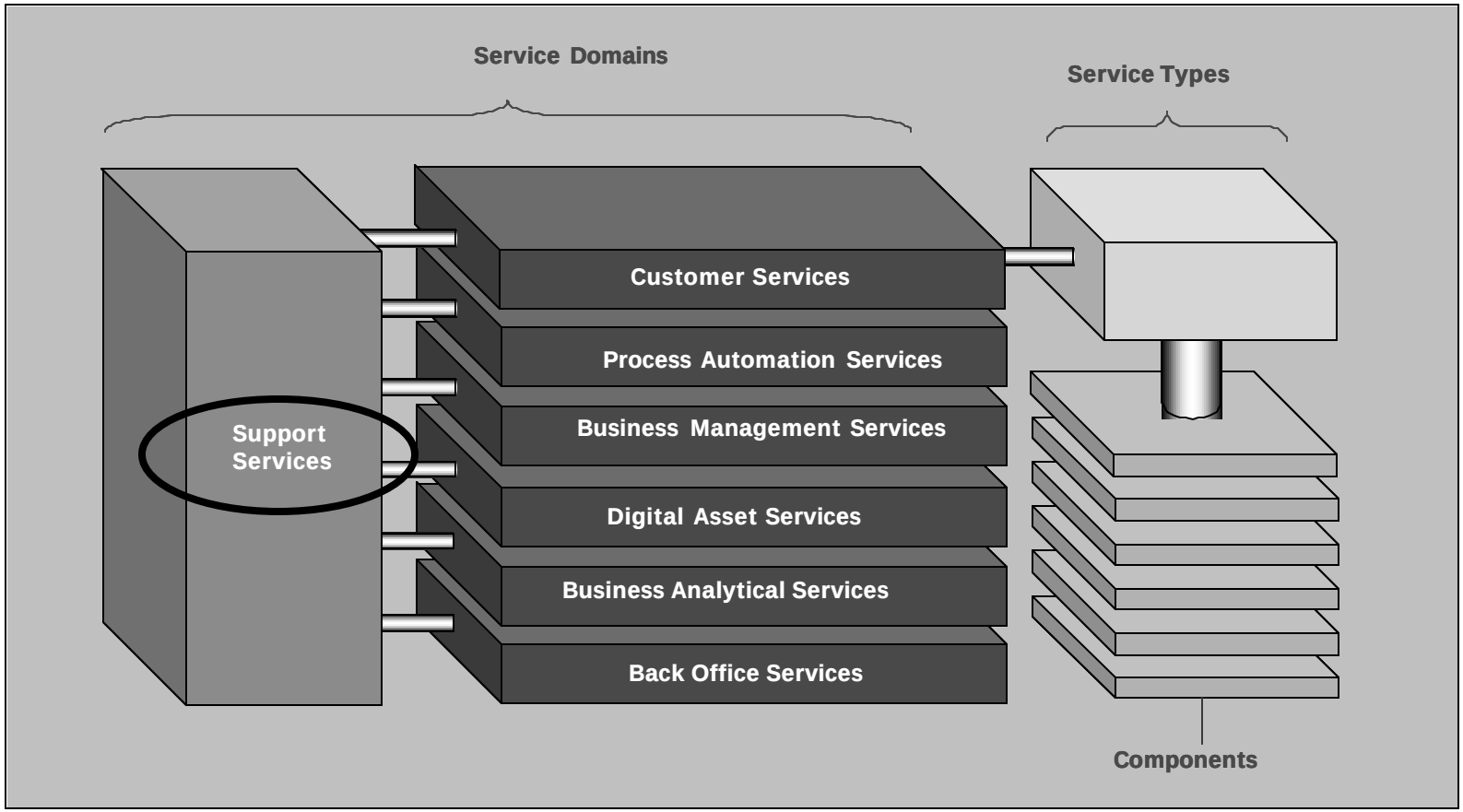



***IT Security*** **involves all functions pertaining to the securing of federal data and systems through the creation and definition of security policies, procedures and controls covering such services as identification, authentication, and non repudiation.**

# LoBs and Services



# SRM: Service Domains



# SRM: Security Management Service Type

| Service Component | Definition |
|---|---|
| Identification and Authentication | Support obtaining information about those parties attempting to log on to a system or application for security purposes and the validation of those users |
| Access Control | Support the management of permissions for logging onto a computer or network |
| Encryption | Support the encoding of data for security purposes |
| Intrusion Detection | Support the detection of illegal entrance into a computer system |
| Verification | Support the confirmation of authority to enter a computer system, application or network |
| Digital Signature | Guarantee the unaltered state of a file |
| User Management | Support the administration of computer, application and network accounts within an organization |
| Role / Privilege Management | Support the granting of abilities to users or groups of users of a computer, application or network |
| Audit Trail Capture and Analysis | Support the identification and monitoring of activities within an application or system |

## Benefits of using the FEA

- Provides a common language for defining security services and products
- Defines relationships between security related elements in an architecture *(processes, services, information and technology)*
- Standardizes evaluation criteria for selecting vendor products and services